Fig. 1

In Vivo IFN-γ production
during tuberculosis infection

Fig. 2
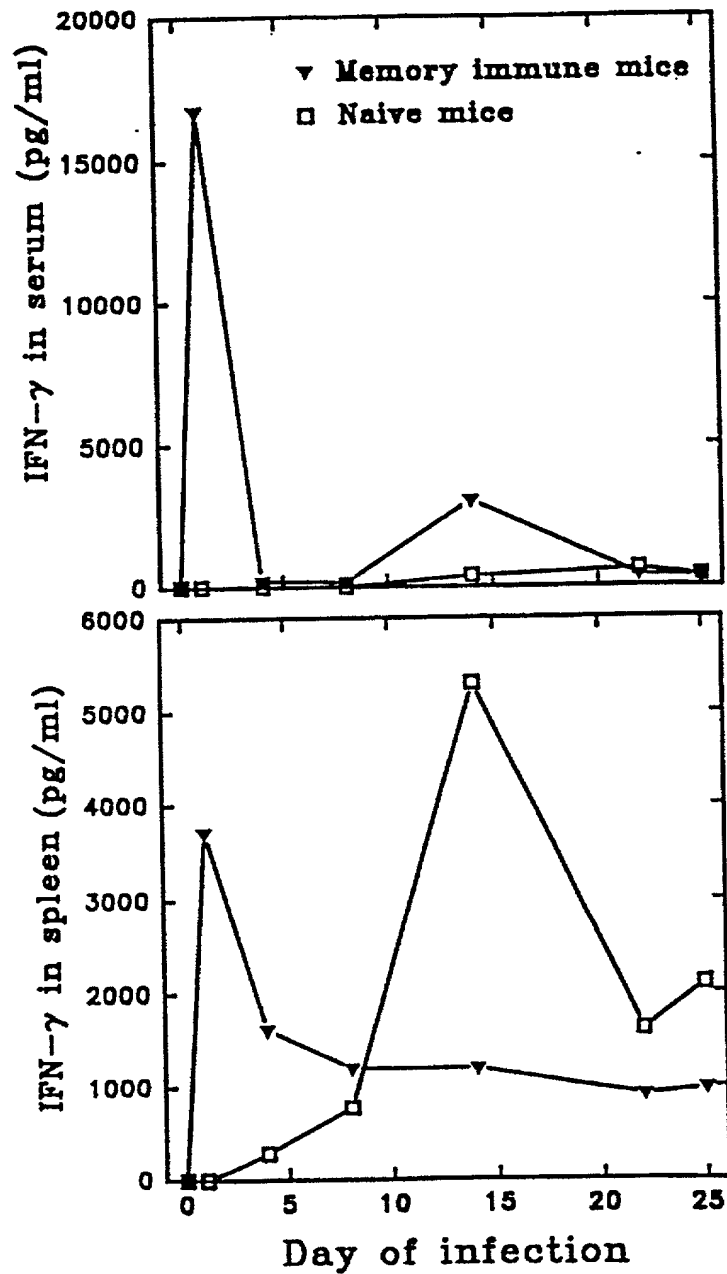
In vitro response of spleen
lymphocytes

Fig. 3
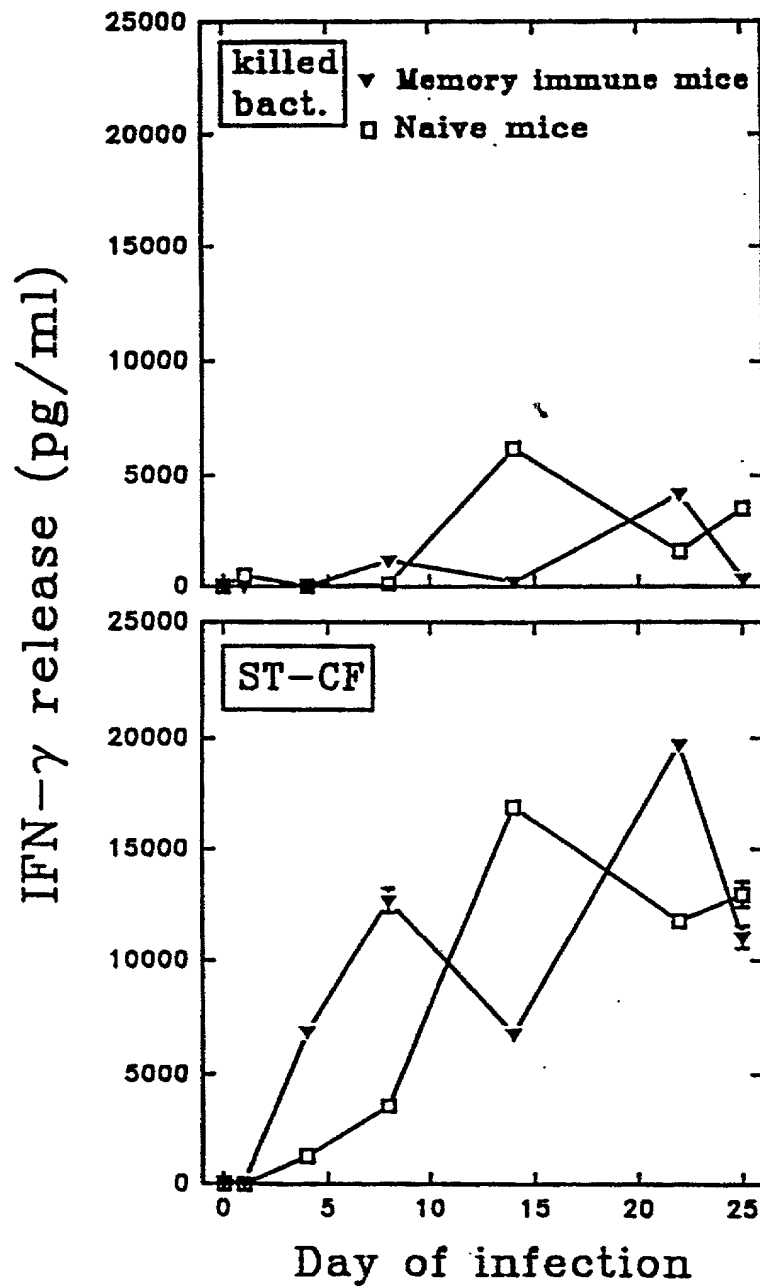
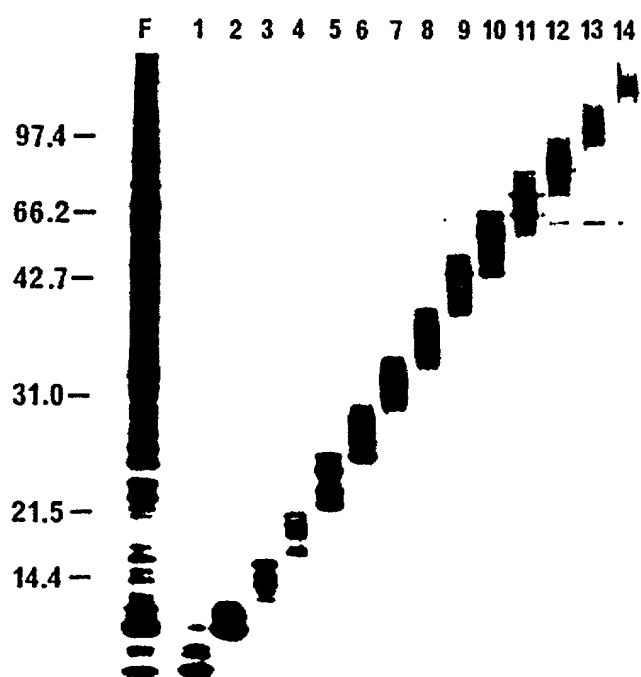F   1   2   3   4   5   6   7   8   9 10 11 12 13 14

97.4 —

66.2 —

42.7 —

31.0 —

21.5 —

14.4 —

Fig. 4

Fig. 5

97.4 ▬
66.2 ▬
45.0 ▬
31.0 ▬
21.5 ▬
14.4 ▬

DnaK (<50 pg/ml)

<50 pg/ml
70 pg/ml
1033 pg/ml
1452 pg/ml
88 pg/ml

Ag 85 complex (3080 pg/ml)

MPT51 (<50 pg/ml)
MPT64 (<50 pg/ml)
SOD (ND)

1155 pg/ml
2625 pg/ml
5110 pg/ml
5390 pg/ml
2240 pg/ml
822 pg/ml

GroES (<50 pg/ml)
ST-3
76-8
PV-2
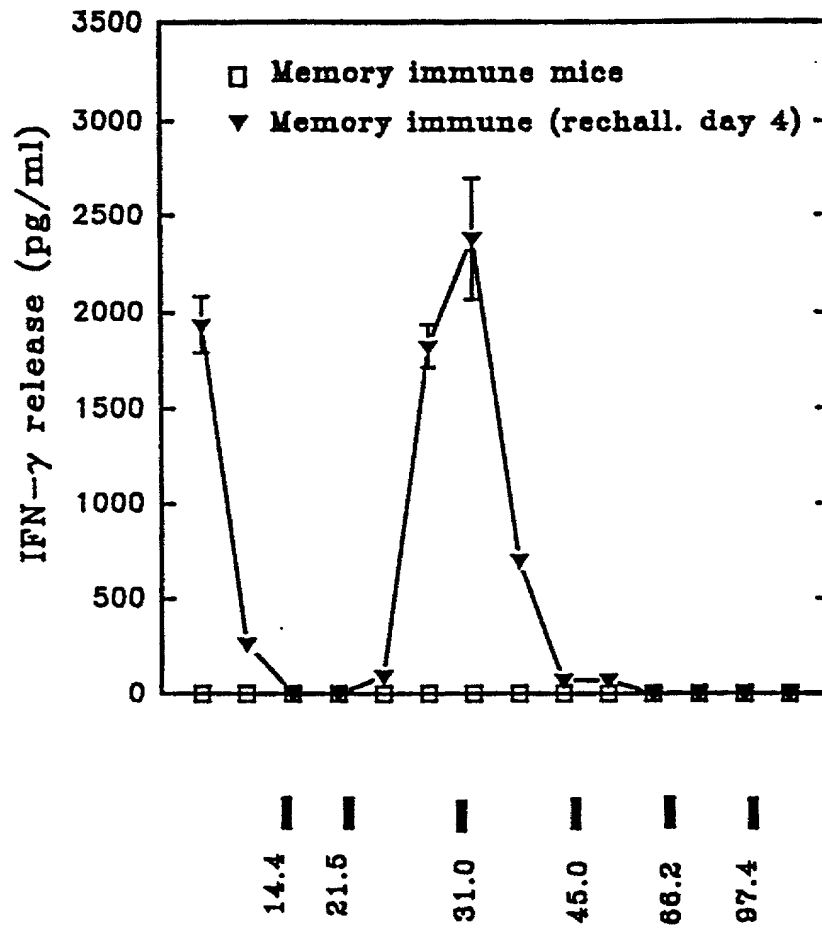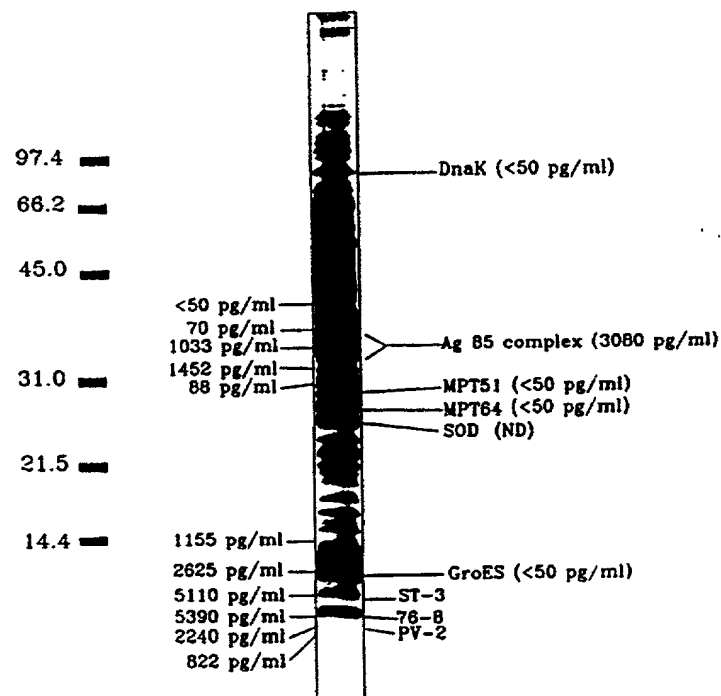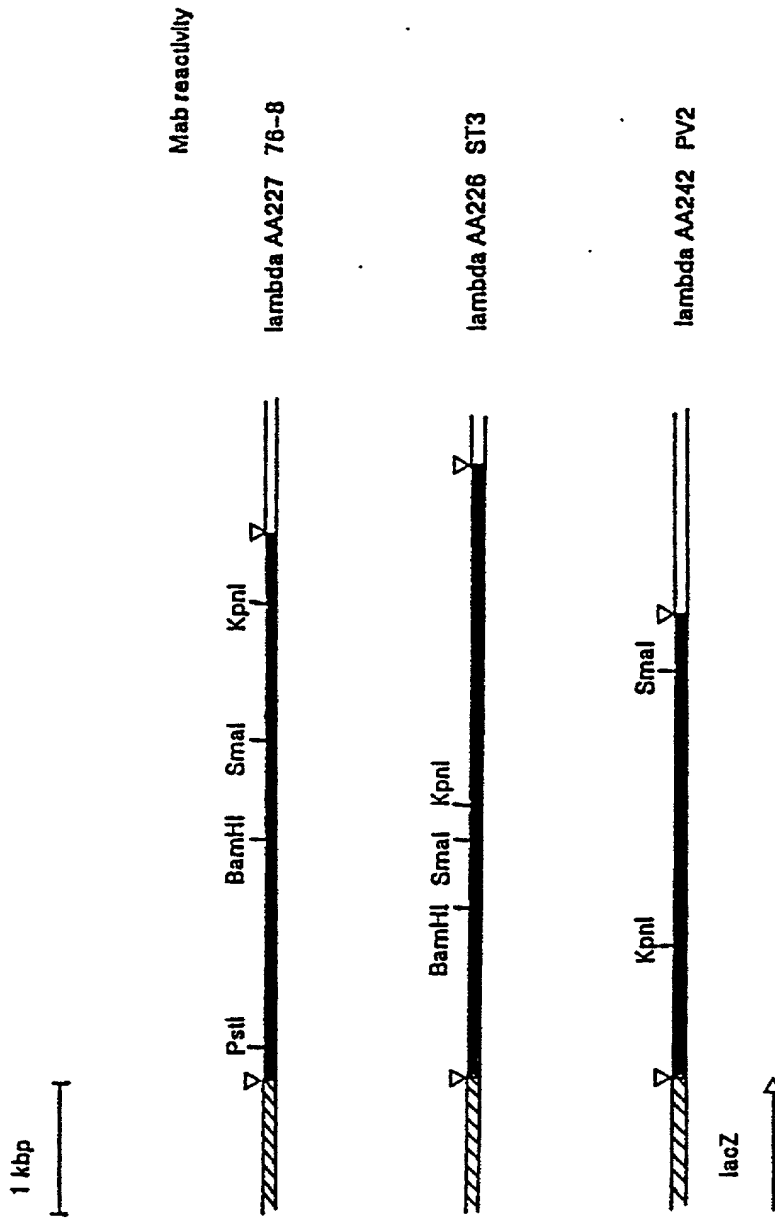
Fig. 6

Physical map of recombinant lambda
phages expressing products reactive with Mabs
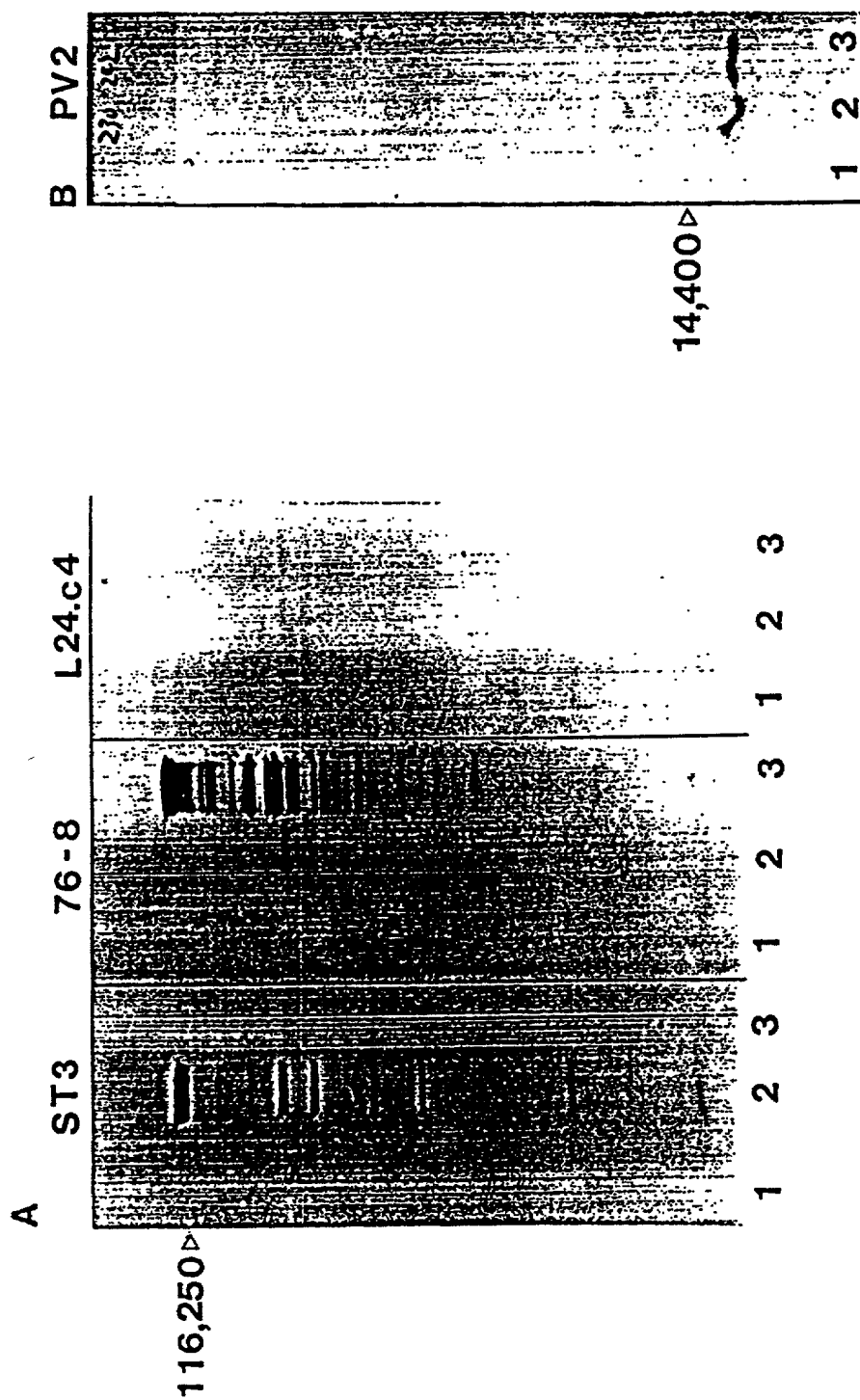recognizing low M.W. components

Fig. 7

Fig. 8

```
  1  GGCCGCCGGT ACCTATGTGG CCGGCCGGTGC TGCGGNCGCG TCGACCTATA CCGGGGTTCTG      60
                    -35region                          -10 region

 61  ATCGAACCCT GCTGACCGAG AGGACTTGTG ATG TCG CAA ATC ATG TAC AAC TAC CCC GCG   120
                         Shine Delgarno             M   S   Q   I   M   Y   N   Y   P   A

121  ATG TTG GGT CAC GCC GGG GAT GCC GGA TAT GCC ACG CTG CAG AGC TTG GGT GGC   180
      M   L   G   H   A   G   D   A   G   Y   A   T   L   Q   S   L   G   A

181  GAG ATC GCC GTG GAG CAG CAG GCG TGG AGT GCC TGG CAG GAT ACC GGC ATC ACG   240
      E   I   A   V   E   Q   Q   A   W   S   A   W   Q   D   T   G   I   T

241  TAT CAG TGG GCA CAG TCG AAC CAG GCC ATG GAA GAT TTG GTG GCC TAT CAT       300
      Y   Q   A   W   Q   S   N   Q   A   M   E   D   L   V   A   Y   H

301  GCG ATG TCC AGC ACC CAT GAA GCC CGC ATG ATG GCG GAC ACC GCC GAA          360
      A   M   S   S   T   H   E   A   R   M   M   A   D   T   A   E

361  GCC GCC AAA TGG GGC GGC TAG                                              381
      A   A   K   W   G   G   *
```

Fig. 9

```
  1   GGGTAGCCCG ACCACGGGCTG GGCAAAGATG TGCAGGCCGC CATCAAGGCG GTCAAGGCCG     60
          -35 region

 61   GCGACGGCGT CATAAACCTG GACGGCCACCT TGTTGGCGGG CCCCGCGGTG CTGACGCCCG    120
                 -10 region

121   ACGAGTACAA CTCCCGGCTG GTG GCC GCC GAC CCG GAG TCC ACC GCG GCG          170
      Shine Delgarno      V   A   A   D   P   E   S   T   A   A

171   TTG CCC GAC GGC GCC GGG CTG GTC GTT CTG GAT GGC ACC GTC ACT GCC GAA CTC GAA GCC   230
       L   P   D   G   A   G   L   V   V   L   D   G   T   V   T   A   E   L   E   A

231   GAG GGC TGG GCC AAA GAT CGC ATC CGC GAA CTG CAA GAG CTG CGT AAG TCG ACC GGG CTG   290
       E   G   W   A   K   D   R   I   R   E   L   Q   E   L   R   K   S   T   G   L

291   GAC GTT TCC GAC CGC ATC CGG GTG GTG ATG TCG GTG CCT GCG GAA CGC GAA GAC TGG GCG   350
       D   V   S   D   R   I   R   V   V   M   S   V   P   A   E   R   E   D   W   A

351   CGC ACC CAT CGC GAC CTC ATT GCC GGA GAA ATC TTG GCT ACC GAC TTC GAA TTC GCC GAC   410
       R   T   H   R   D   L   I   A   G   E   I   L   A   T   D   F   E   F   A   D

411   CTC GCC GAT GGT GTG GCC ATC GGC GAC GGC GTG CGG GTA AGC ATC GAA AAG ACC TGA       467
       L   A   D   G   V   A   I   G   D   G   V   R   V   S   I   E   K   T   *
```

Fig. 10

```
  1 GAATTCGCCGGGTGCACACAGCCTTACACGACGGAGGTGGACACATGAAG      50
                                                     M  K
 51 GGTCGGTCGGCGCTGCTGCGGGCGCTCTGGATTGCCGCACTGTCATTCGG     100
     G  R  S  A  L  L  R  A  L  W  I  A  A  L  S  F  G
101 GTTGGGCGGTGTCGCGGTAGCCGCGGAACCCACCGCCAAGGCCGCCCCAT     150
     L  G  G  V  A  V  A  A  E  P  T  A  K  A  A  P
151 ACGAGAACCTGATGGTGCCGTCGCCCTCGATGGGCCGGGACATCCCGGTG     200
     Y  E  N  L  M  V  P  S  P  S  M  G  R  D  I  P  V
201 GCCTTCCTAGCCGGTGGGCCGCACGCGGTGTATCTGCTGGACGCCTTCAA     250
     A  F  L  A  G  G  P  H  A  V  Y  L  L  D  A  F  N
251 CGCCGGCCCGGATGTCAGTAACTGGGTCACCGCGGGTAACGCGATGAACA     300
     A  G  P  D  V  S  N  W  V  T  A  G  N  A  M  N
301 CGTTGGCGGGCAAGGGGATTTCGGTGGTGGCACCGGCCGGTGGTGCGTAC     350
     T  L  A  G  K  G  I  S  V  V  A  P  A  G  G  A  Y
351 AGCATGTACACCAACTGGGAGCAGGATGGCAGCAAGCAGTGGGACACCTT     400
     S  M  Y  T  N  W  E  Q  D  G  S  K  Q  W  D  T  F
401 CTTGTCCGCTGAGCTGCCCGACTGGCTGGCCGCTAACCGGGGCTTGGCCC     450
     L  S  A  E  L  P  D  W  L  A  A  N  R  G  L  A
451 CCGGTGGCCATGCGGCCGTTGGCGCCGCTCAGGGCGGTTACGGGGCGATG     500
     P  G  G  H  A  A  V  G  A  A  Q  G  G  Y  G  A  M
501 GCGCTGGCGGCCTTCCACCCCGACCGCTTCGGCTTCGCTGGCTCGATGTC     550
     A  L  A  A  F  H  P  D  R  F  G  F  A  G  S  M  S
551 GGGCTTTTTGTACCCGTCGAACACCACCACCAACGGTGCGATCGCGGCGG     600
     G  F  L  Y  P  S  N  T  T  T  N  G  A  I  A  A
601 GCATGCAGCAATTCGGCGGTGTGGACACCAACGGAATGTGGGGAGCACCA     650
     G  M  Q  Q  F  G  G  V  D  T  N  G  M  W  G  A  P
651 CAGCTGGGTCGGTGGAAGTGGCACGACCCGTGGGTGCATGCCAGCCTGCT     700
     Q  L  G  R  W  K  W  H  D  P  W  V  H  A  S  L  L
701 GGCGCAAAACAACACCCGGGTGTGGGTGTGGAGCCCGACCAACCCGGGAG     750
     A  Q  N  N  E  R  V  W  V  W  S  P  T  N  P  G
751 CCAGCGATCCCGCCGCCATGATCGGCCAAACCGCCGAGGCGATGGGTAAC     800
     A  S  D  P  A  A  M  I  G  Q  T  A  E  A  M  G  N
801 AGCCGCATGTTCTACAACCAGTATCGCAGCGTCGGCGGGCACAACGGACA     850
     S  R  M  F  Y  N  Q  Y  R  S  V  G  G  H  N  G  H
851 CTTCGACTTCCCAGCCAGCGGTGACAACGGCTGGGGCTCGTGGGCGCCCC     900
     F  D  F  P  A  S  G  D  N  G  W  G  S  W  A  P
901 AGCTGGGCGCTATGTCGGGCGATATCGTCGGTGCGATCCGCTAAGCGAAT     950
     Q  L  G  A  M  S  G  D  I  V  G  A  I  R  .
951 TC                                                     952
```

Fig. 11

2-DE reference map of ST-CF
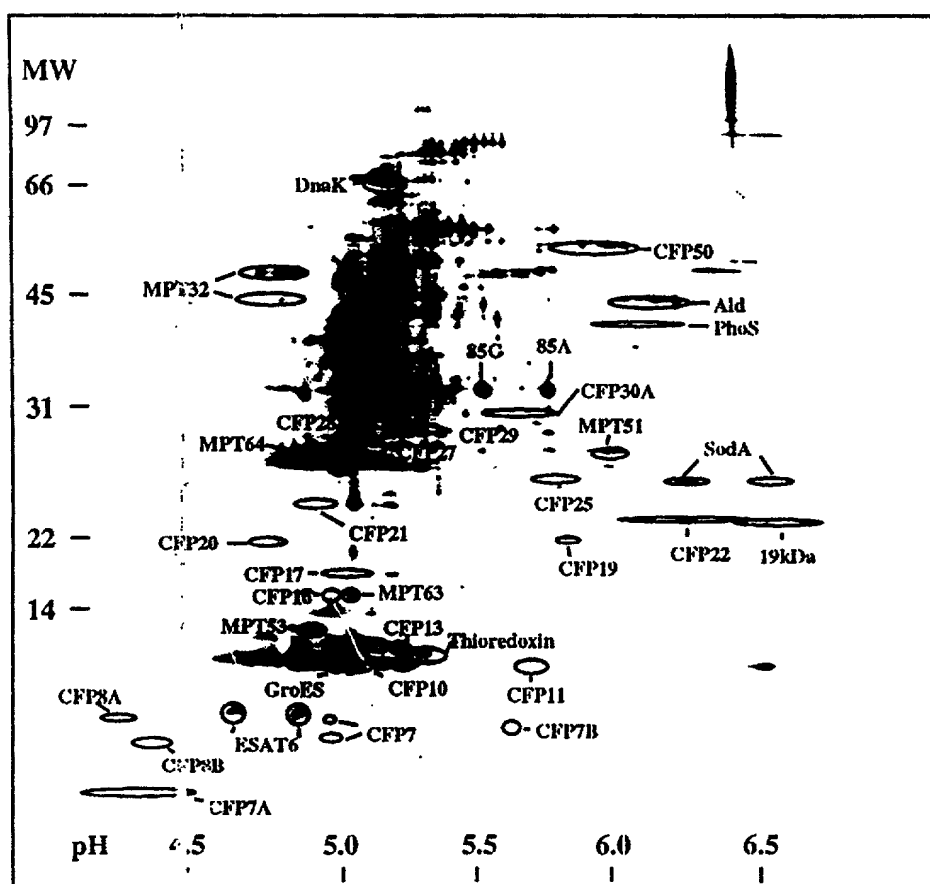
Fig. 12

TB10.4   MSQIMYNYPAMLGHAGDMAGYAGTLQSLGAEIAVEQAALQSAWQGDTGITYQAWQAQWNQAMEDLVRAYHAMSSTHEANTMAMARDTAEAAKWGG

TB10.4-P1   MSQIMYNYPAMLGHAGDM

TB10.4-P2   MLGHAGDMAGYAGTLQSL

TB10.4-P3   YAGTLQSLGAEIAVEQAA

TB10.4-P4   EIAVEQAALQSAWQGDTG

TB10.4-P5   SAWQGDTGITYQAWQAQW

TB10.4-P6   YQAWQAQWNQAMEDLVRA

TB10.4-P7   AMEDLVRAYHAMSSTHEA

TB10.4-P8   AMSSTHEANTMAMARDT

TB10.4-P9   MAMMARDTAEAAKWGG

Fig. 13

TB10.3   MSQIMYNYPAMMAHAGDMAGYAGTLQSLGADIASEQAVLSSAWQGDTGITYQGWQTQWNQALEDLVRAYQSMSGTHESNTMAMLARDGAEAAKWGG

TB10.3-P1   MSQIMYNYPAMMAHAGDMAG

TB10.3-P2   MMAHAGDMAGYAGTLQSLGA

TB10.3-P3   YAGTLQSLGADIASEQAVLS

TB10.3-P4   DIASEQAVLSSAWQGDTGIT

TB10.3-P5   SAWQGDTGITYQGWQTQWNQ

TB10.3-P6   YQGWQTQWNQALEDLVRAYQ

TB10.3-P7   ALEDLVRAYQSMSGTHESNT

TB10.3-P8   SMSGTHESNTMAMLARDGAE

TB10.3-P9   MAMLARDGAEAAKWGG

Fig. 14

```
TB12.9      MSQSMYSYPAMTANVGDMAGYTGTTQSLGADIASERTAPSRACQGDLGMSHQDWQAQWNQAMEALARAYRCRRALRQIGVLERPVGDSSDCGTIRVGSFRGRWLDPRHAGPATAADAGD
TB12.9-P1   MSQSMYSYPAMTANVGDMAG
TB12.9-P2        MTANVGDMAGYTGTTQSLGA
TB12.9-P3             YTGTTQSLGADIASERTAPS
TB12.9-P4                  DIASERTAPSRACQGDLGMS
TB12.9-P5                       RACQGDLGMSHQDWQAQWNQ
TB12.9-P6                            HQDWQAQWNQAMEALARAYR
TB12.9-P7                                 AMEALARAYRCRRALRQIG
TB12.9-P8                                      RCRRALRQIGVLERPVGDSS
TB12.9-P9                                           VLERPVGDSSDCGTIRVGSF
TB12.9-P10                                               DCGTIRVGSFRGRWLDPRHA
TB12.9-P11                                                    RGRWLDPRHAGPATAADAGD
```

Fig. 15